

Title (en)

HRTFS INDIVIDUALISATION BY A FINITE ELEMENT MODELLING COUPLED WITH A CORRECTIVE MODEL

Title (de)

HRTFS-INDIVIDUALISIERUNG DURCH MODELLIERUNG MIT FINITEN ELEMENTEN GEKOPPELT MIT EINEM KORREKTURMODELL

Title (fr)

INDIVIDUALISATION DE HRTFS UTILISANT UNE MODELISATION PAR ELEMENTS FINIS COUPLEE A UN MODELE CORRECTIF

Publication

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Application

EP 06820237 A 20061018

Priority

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Abstract (en)

[origin: WO2007048900A1] The invention relates to modelling individual head related transfer functions (HRTFs) with respect to an individual audition in a three-dimensional space. The inventive method consists in picking up morphological parameters of several individuals for roughly estimating the HRTFs by finite elements and building the database thereof roughly estimated by comparing/ training on said database and on another database containing several HRTFs measured in all directions of space and in building, for the same individuals, a model based on an artificial neurone network which is capable to calculate the HRTFs for all directions of space from a series of measurements of morphological parameters of any individuals.

IPC 8 full level

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